

HMB

Chelates (binds) heavy metals
and blocks their reabsorption



- With *N*-acetylcysteine
- Vitamin C
- *alpha*-Lipoic acid

ISO 17025
Accredited Laboratory



newrootsherbal.com



HMB



Heavy metal accumulation in body tissue represents a threat to the central nervous system and every major organ system. The major heavy metals that pose a threat to our wellbeing include mercury, lead, cadmium, and arsenic.

Common sources of contamination include mercury-amalgam dental fillings that release toxic vapour as they are prepared and packed into teeth, and the subsequent leaching of mercury vapour as they are exposed to food, beverages, and saliva. The possibility for mercury poisoning also exists from mercury present in thimerosal, an antibacterial preservative found in vaccines. Minimata disease, a degenerative neurological disorder, is another example of mercury poisoning. The people of this Japanese city (Minimata) relied heavily on a diet of fish contaminated with mercury.

Lead contamination as a result of poor battery disposal, lead water pipes, and soil contamination from decades of use of leaded fuel have all contributed to lead being an environmental toxin that poses a threat to metabolic, central nervous, and renal system function. Cadmium, a common material in the production of rechargeable batteries, has also emerged as a threat to nephrons (filtering mechanisms) within kidneys.

New Roots Herbal's **HMB** is recommended for use in conjunction with **D.M.S.A.** and **Amino-Mix**. The sulfur-containing compound dimercaptosuccinic acid chelates (attaches to) metal and removes it from the body's tissue for excretion. **Amino-Mix** contains branched-chain amino acids that occupy transport sites at the blood-brain barrier, effectively keeping bound metals from being redeposited in the brain.

HMB is a synergistic formula that contains ingredients that chelate heavy metals, prevent their reabsorption, and recycle themselves. *N*-Acetylcysteine is the rate-limiting step in glutathione production; glutathione is necessary for heavy-metal excretion and protection of the liver. *alpha*-Lipoic acid and vitamin C strengthen the chelating effect of *N*-acetylcysteine, and recycle glutathione and other antioxidants. *N*-Acetylcysteine, when taken in 500 mg daily doses, can also reduce levels of malondialdehyde (MDA), a marker for lipid peroxidation.

New Roots Herbal Heavy Metal Detox Program

Step 1: Take 2 capsules of **D.M.S.A.** in the morning, 2 capsules in the afternoon, and 1 capsule in the evening every other day in between meals for a minimum of 5 weeks or as directed by your health-care practitioner. for a minimum of 5 weeks.

Step 2: On alternate days, when not taking the **D.M.S.A.**, take 1 capsule of **Amino-Mix** twice daily and 1 capsule of **HMB** three times daily for 5 weeks.

Note: If you feel sensitivities or any nausea taking the **D.M.S.A.**, take only 1 capsule daily for the first two weeks.

Each vegetable capsule contains:

<i>N</i> -Acetyl-L-cysteine (L- <i>alpha</i> -acetamido- <i>beta</i> -mercaptopropionic acid).....	500 mg
Vitamin C (ascorbic acid).....	200 mg
D,L- <i>alpha</i> -Lipoic acid.....	50 mg

Other ingredients: Vegetable magnesium stearate and microcrystalline cellulose in a non-GMO vegetable capsule composed of vegetable carbohydrate gum and purified water.

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Suggested use:

Adults: Take 1 capsule one to three times daily or as directed by your health-care practitioner. Consult a health-care practitioner for use beyond 6 months.

Manufactured under strict GMP (Good Manufacturing Practices).

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